

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, all listings, of claims in the application:

LISTING OF CLAIMS

1. (canceled)

2. (currently amended)

The ~~signal-coding-unit~~ transmitter-receiver apparatus according to claim 1 ~~5~~, ~~characterized in that~~ wherein said output signal comprises:

a first output signal component (~~CT~~), ~~apt~~ adapted to represent current data and current time;

a second output signal component (~~PRIC~~), comprising indicative information about said radio receiver;

a third output signal component (~~PS~~), comprising indicative information about a source transmission station of said input signal; and

a fourth output signal component (~~PI~~), comprising indicative information about a piece transmitted by said source transmission station and received by said radio receiver.

3. (currently amended)

The ~~coding-unit~~ transmitter-receiver apparatus according to claim 2, ~~characterized in that~~ wherein said second output signal component (~~PRIC~~) comprises one or more data blocks, each of said blocks being constituted by a bit sequence ~~apt~~ adapted to represent a portion of said indicative information about said radio receiver.

4. (currently amended)

The ~~coding-unit~~ transmitter-receiver apparatus according to claim 1 ~~5~~, ~~characterized in that~~ wherein said output signal comprises a fifth output signal component (~~DBF~~), comprising indicative information about a list of preferred pieces.

5. (currently amended)

A transmitter-receiver apparatus comprising:

a radio receiver (4) compatible with the RDS standard, ~~apt to receive~~ and receiving a signal according to the RDS standard;

a signal-coding unit (9) ~~according to claim 1~~, connected to said radio receiver receiving as input an input signal according to the RDS standard comprising not-indicative information about said radio receiver, and emitting as output an output signal, said signal-coding unit combining at least one portion of said input signal with a signal component comprising indicative information about said radio receiver, the combination between at least one portion of said input signal and said signal component being said output signal; and

a transmission unit (10), connected to said signal coding unit, ~~apt~~ adapted to transmit the output signal emitted as output by said signal coding unit.

B1
6. (currently amended)

The transmitter-receiver apparatus according to claim 5, ~~characterized in that~~ wherein said radio receiver includes a piece-searching system, which comprises:

a first tuner (11) to select and receive a first frequency;

a memory unit (12) to store RDS data;

a second tuner (13) to select, while receiving said first frequency, a second frequency different from the first frequency and not belonging to the AF list of the frequencies alternative to the first frequency; and

a switching device (14) ~~apt~~ adapted to control the reception switching between the first and second tuner after comparing RDS data related to said second frequency with the RDS data stored in the memory unit.

7. (currently amended)

The transmitter-receiver apparatus according to claim 5, ~~characterized in that~~ wherein said transmission unit adopts a GSM-type data transmission standard.

8. (canceled)

9. (currently amended)

The ~~signal-decoding unit system~~ according to claim 8 12, ~~characterized in that~~ wherein said first input signal comprises:

a first input signal first component (CT), comprising indicative information about transmission date and time of said first input signal;

a ~~second~~ first input signal second component (PRIC), comprising said indicative information about said radio transmitter ~~therefrom~~ from which said first input signal is transmitted;

a ~~third~~ first input signal third component (PS), comprising indicative information about a source transmission station of said first input signal; and

a ~~fourth~~ first input signal fourth component (PI), comprising indicative information about an excerpt transmitted by said source transmission station.

B1 10. (currently amended)

The ~~signal-decoding unit~~ system according to claim 8 12, characterized in that wherein said ~~second~~ first input signal second component (PRIC) comprises one or more data blocks, each of said one or more data blocks ~~block~~ being constituted formed by a bit sequence ~~apt~~ adapted to represent a portion of said indicative information about said radio transmitter ~~therefrom~~ from which said first input signal is transmitted.

11. (currently amended)

The ~~signal-decoding unit~~ system according to claim 8 12, ~~characterized in that~~ wherein said first input signal comprises a ~~fifth~~ first input signal fifth component (DBF), comprising indicative information about a list of preferred pieces.

12. (currently amended)

A system for receiving radio-transmitted data comprising:

a receiving unit (20) ~~apt~~ adapted to receive a signal coming from at least one ~~of said radio receivers~~ transmitter-receiver apparatus;

a first signal-decoding unit (21) ~~according to claim 7~~, connected to said receiving unit, receiving as input a first input signal comprising indicative information about a transmitter-receiver apparatus from which said input signal is transmitted, said first signal-decoding unit separating said indicative information about said transmitter-receiver apparatus from said first input signal;

a control unit (22), connected to said first signal-decoding unit, ~~apt~~ adapted to control capturing, storing, processing and monitoring of signals coming from said first signal-decoding unit;

a storing unit (25), connected to said control unit, ~~apt~~ adapted to store data coming from said control unit; and

a processing unit (24), connected to said control unit, ~~apt~~ adapted to perform statistical-type calculations on data sent by said control unit [[.]],

wherein said at least one transmitter-receiver apparatus comprises:

a radio receiver compatible with the RDS standard and receiving a signal according to the RDS standard;

B1 a second signal-coding unit connected to said radio receiver, receiving as input a second input signal, the second input signal being a signal according to the RDS standard and comprising not-indicative information about said radio receiver, said second signal-coding unit emitting as output an output signal, said second signal-coding unit combining at least one portion of said second input signal with a signal component comprising indicative information about said radio receiver, the combination between at least one portion of said second input signal and said signal component being said output signal; and

a transmission unit connected to said second signal-coding unit, to transmit said output signal.

13. (currently amended)

The ~~data-receiving~~ system according to claim 12, ~~characterized in that-~~ wherein said receiving unit adopts a data-receiving GSM-type standard.

14. (currently amended)

The ~~data-receiving~~ system according to claim 12, ~~characterized in that-~~ wherein said statistical-type calculations on data provided by said control unit are performed in real time by said processing unit.

15. (currently amended)

The ~~data-receiving~~ system according to claim 12, ~~characterized in that-~~ wherein said statistical-type calculations on data provided by said control unit are performed in historical mode by said processing unit.